



# SMART COMFORT

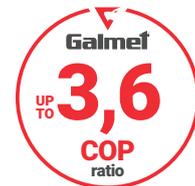
## »» BASIC

### AIR SOURCE HEAT PUMP WATER HEATER FOR DHW

The Basic heat pump is an ecological and SMART way to provide domestic hot water for your whole family. Thanks to the cooperation with the photovoltaic installation, it can be powered exclusively by a renewable energy source. It also supports hybrid cooperation with additional heat sources, including gas boilers. The new Basic is 28% more efficient compared to the previous model, which is confirmed by the A++ energy class. Comfortable use of the pump is ensured by an intuitive controller with a color touch panel. The Basic heat pump is a proven way for ecological and economical heat in your home.

# air source heat pump water heater for domestic hot water

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### Advantages

- ▶ Up to 28% more efficient.<sup>1</sup>
- ▶ Efficiency – COP: 3,6.<sup>2</sup>
- ▶ Intelligent use of PV installations - self-consumption up to 100%.
- ▶ Highest possible energy efficiency class A++.<sup>3</sup>
- ▶ Safe refrigerant R513a.
- ▶ Perfect for a family of 4-5 people.

### Control

- ▶ Color touch-screen controller with new, intuitive menu.
- ▶ Remote control by an app (optional ST-505 module required).
- ▶ Generated energy counter.
- ▶ Ability to set up the work schedule to both heat pump and circulation pump.
- ▶ Modes of operation: Party, Eco, Antilegionella, Summer and Winter.
- ▶ Hybrid cooperation with additional heat sources (i.e. gas boiler/heater) – Master mode.



ST-53.4 controller

### Installation

- ▶ Spiral coil can be used for connecting an additional energy source (i.e. solar panels, gas boiler, electric heaters etc.).
- ▶ Outdoor air temperature sensor in the heat pump.
- ▶ Drying and partial air conditioning of the room during operation.
- ▶ 2 kW electric heater for additional heating power during periods of increased demand for hot water.
- ▶ Heats the water up to 55°C (65°C with an additional heat source).
- ▶ Longer service life of the tank thanks to the anti-corrosion DIELECTRIC PROTECTION®.

specification	unit	Basic		
		200 with one spiral coil	270 with one spiral coil	270 with two spiral coils
catalogue number	-	09-353103	09-355103	09-355203
COP (A20/W10-55) (PN-EN 16147)	-	3,6	3,1	3,1
COP (A15/W10-55) (PN-EN 16147)	-	3,3	2,9	2,9
heating power (heat pump)	kW	2	2	2
nominal power consumption	kW	0,47	0,49	0,49
electric heater power	kW	2	2	2
total heating power (heat pump + electric heater)	kW	4	4	4
working temperature range	°C	+7 ÷ +40	+7 ÷ +36	+7 ÷ +36
tank volume	l	200	270	270
number of spiral coils	pcs.	1	1	2
coil's surface	m <sup>2</sup>	1	1	1,0/7
maximum DHW temperature (heat pump)	°C	55	55	55
connections	-	1"	1"	1"
circulation connection	-	3/4"	3/4"	3/4"
tank's maximum working pressure	MPa	1	1	1
coil's maximum working pressure	MPa	1,6	1,6	1,6
air ducts' diameter	mm	160	160	160
air ducts' maximum length	m	10	10	10
nominal air flow	m <sup>3</sup> /h	435	429	429
acoustic pressure (at a distance of 2 meters)	dB	45	46	46
acoustic power level (EN 12102)	dB	56	57	57
dimensions (height x diameter)	mm	1500 x 670	1730 x 670	1730 x 670
net weight	kg	120	130	150
ErP	energy efficiency class	A+	A+	A+

\* Details in the warranty card and on our website: <https://galmet.com.pl/pl/pliki-do-pobrania>.

<sup>1</sup> Basic 200 efficiency -  $V_{40}$  (the amount of mixed water at a temperature above 40°C) - compared to the previous model. According to the PN-EN 16147 - A20(W10-55), water intake profile: L.

<sup>2</sup> According to the PN-EN 16147 norm; A - A - air temperature; W - heated water temperature range; water intake profile - L (Basic 200), XL (Basic 270).

<sup>3</sup> According to the Commission Delegated Regulation (EU) No. 812/2013, a heat pump for domestic hot water can now be labelled at most as A+ on the energy label, even if it meets the requirements of a higher energy class.



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